

MINING NEWS Here and Elsewhere

Edited By
ANSON H. SMITH

UNITED EASTERN- TOM REED SUIT SET FOR OCT. 4

One of the most important mining suits in the history of Mohave county has been set for trial before Judge Bollinger, without a jury on the 4th of October. This is the cause of the Tom Reed Gold Mines company against the United Eastern Mining company, and is for the possession of the Big Jim vein.

The basis for the suit is the contention that the vein of the Big Jim apexes on the ground of the Tom Reed, and that a fault is responsible for the failure of the Tom Reed to pursue its vein to a greater depth, the faulted vein departing into the ground of the United Eastern. The two companies have prepared themselves against each other by the making of a complete mine, showing the fault system from the different points of view of the engineers employed by the respective parties to the action. These models are elaborate pieces of work, it is said, and the court will be given an opportunity to learn the manner in which faults occur, especially in the Oatman district. The engineers have had access to both mines and have canvassed the situation carefully and when the matter is placed before the court it will be rather confusing, as each side has everything possible to substantiate its view of the manner in which the throws have been made by the fault, and the knowledge gained by the exploration of the other fellow's territory.

While this case is an intricate one, the Black Hills of the Dakotas burdened the courts with some of the most obtruse problems that mine faults have ever presented. While we have not at hand the cases, we have looked over the diagrams presented to the courts more than 30 years ago and felt that the fellows who sat on the bench and decided the cause had some experience. The old Eberhardt mine, at White Pine, Nevada, offered one of the first cases where apex and faulting of one vein into the other was an issue. This vein was, like many of those in Mohave county, large and having ore lenses between important walls, and the ore bodies were shifted back and forth, finally passing into the junior claim. The companies had a real fight over the right to the faulted vein and some of the greatest geologists and mineralogists of the United States and Europe were employed on both sides of the question.

It is to be hoped that the present suit will terminate agreeably to both companies, although this is not to be presumed.

UNITED EASTERN SHARES CLIMBING

During the past week the United Eastern shares took a decided jump on the Los Angeles exchange, but Thursday the slump came, the shares dropping from \$5.25 to \$3.00. Just what caused this slump has not been made known, but it may be the usual bear movement which generally dominates this exchange. The mine is producing heavily and the mill is making a high extraction. The operating income of the company has increased largely since June, the July showing being \$12,827 and the August \$13,493. During the eight months of this year 69,776 tons of ore was sent to the mill, from which recovery of \$1,435,181.45 was secured. The operating income was \$767,823.98 and the operating expense \$622,555.71. The ore showed a value of \$23 for August, the highest since the mill was put in commission in 1917.

It is said that the company has more than \$6,000,000 in ore reserves and the new work is sure to add largely to this tonnage. A thorough drilling of the mine with diamond drills is sure to bring to light ore bodies that would otherwise be missed in the ordinary exploration of the property. These drills have been installed and will soon be at work from the 900 level.

The United Eastern has had a wonderful management and few properties have been able to get the results that have been obtained from that great ore body.

How Pavement Was Repaired.
Special precautions have been taken in the repair of a wooden block pavement that was laid last year at St. Louis beneath a fervid Missouri sun. The blocks, somewhat too green, began to shrink, and joints less than a quarter-inch wide expanded to one-half inch. The pitch filler melted and looser blocks were floating like debris in an asphalt lake.

To reconstruct the pavement the blocks were driven tightly together, a fine mineral filler was forced to the bottom of the joints, a type of pitch was chosen that showed high melting points, and, after the pavement was laid, it was covered temporarily from direct solar heat with a coating of wet sand.

DAD BINFORD STARTS WORK ON HIS CLAIMS

E. M. (Dad) Binford, who has a group of mines in Wallapai mountain, in the neighborhood of the old Hibernia mines, has secured financial assistance and this week hauled out a load of supplies for the purpose of sinking a shaft to a depth of 50 feet on one of the properties. This vein is large and shows important mineralization. It is of the same general character as that of the rich ore in the Hope lode.

VISITS GATES AJAR MINING PROPERTY

The mining editor of the Miner last Monday returned from a trip into the Wallapai mountains and during his absence looked over the property of the Gates Ajar Mining company, situated in the north end of the mountains, and to the east of the Deane mine. He found a nice camp situated in a deep gorge in the side of the mountain and about a mile above it is the tunnel and other work on the big vein that the company has been developing the past year. This tunnel has reached a depth of 460 feet and is about 200 feet below the outcrop of the vein. And the vein in the outcrop above is eight feet thick, showing splendid mineralization. The tunnel has failed to reach into the ore shoot, especially the shoot showing on the surface, and it will be found at least 50 feet further in, if the rake of the ore is that usually found in the mines of that region. The surface shoot is important, in that it shows a splendid vein, fairly well sprinkled with lead and said to carry values of above 10 ounces silver. This ore, if found below, would give the mine such importance that a milling plant would be unnecessary to dress it up to merchantable commodity, as the surface ores are leached and the ores below the leached zone should be heavy in metal. No better appearing vein has been found in that part of the county and it is our opinion that further exploration will bring it into large production.

The amount of work done on the property with the small expenditure of money is surprising, a road having been built into the camp, trails built and several hundred feet of tunnel driven, besides the purchase of car and track as well as truck, and other tools and machinery. The management is to be congratulated on the showing made, and it is to be hoped that the company will complete the work mapped out.

How to Measure Tree's Growth.

In the New York Botanical garden a new instrument has been attached to a certain maple tree, attracting the attention of passers-by. This is the "dendrograph"—a delicately adjusted machine which will actually register the rate of growth of a tree—slow as that is! A series of blocks of wood are attached firmly to the tree, and above these a metal "collar" which, however, is in contact with the tree at only two points. A needle projects from one of these, the other end of which traces its movements upon a slowly revolving paper "drum." Once a week this paper is replaced by a fresh sheet and the clockwork wound up; otherwise the machine is self-regulating and needs no attention. The growth or expansion of the tree is shown by the needle.

The instrument was devised by Dr. L. T. MacDougal, formerly director of laboratories at the New York Botanical garden, and now director of the botanical research department of the Carnegie Institution of Washington. The dendrograph is one of a number of instruments which are being used this year to measure growth phenomena.—Leslie's Weekly.

How Movies Are Triumphant.

Mexico, we read in current dispatches, has decided to lift the heavy censorship from the movies and to foster the enterprise in every way. There seems to be no stopping the triumphant march of the movie stars. Not long ago we read that Devonshire House, the famous rendezvous of the Whigs in London, had fallen before the cinema. The Alhambra and the Empire, famous music halls, are to go, too. England and the Continent appear to be as wild for the screen as we are here. All doors are opening to it. Not long ago the conservative Vatican sanctioned the picturing of an important religious function. Great are the movies!—Philadelphia Record.

How British Care for Blind.

A bill has been introduced in the British parliament concerning the care and training of blind persons. It provides that it shall be the duty of every local authority to make sufficient and suitable provision for the technical training, employment and maintenance of every blind person over 16 years of age within its jurisdiction.

Hibernian soda clerk: "Well, gents, won't yer have. Arrange or lemonade?"

Humorous customer: "Gimme a George Ade."

H. S. C.: "Right ye are. And how'll ye have it? Strong or faible?"

ASSESSMENT WORK

Many people have been relying on the recession of assessment work by congress this year and as there is little likelihood of this being done, many mining claims will revert to the government at the close of the year. It is possible that more assessment work will be done in Mohave than any of the other counties of the state, as there is more activity in all of the districts, but on the whole there will be hundreds of claims upon which no assessment work will be done. In some of the counties of the state, as well as in adjoining states, it is held that thousands of claims have been held the past four years without a dollar being expended on assessment work, owing to the passage of the law eliminating annual work on mining claims as a prerequisite to holding them through the year. The first law was passed early in 1917, which was for the benefit of the boys going to war and then a general cry went up for the relief of all miners. Again in 1918 and 1919 the law became effective and no work was required. As a result many thousands of claims were located and held without other than title work, and even some of these were relocated that were revamped and made to look like new work so that the locator got away with the claim with little or no effort.

The failure to do assessment work has had a bad effect on the general health of mining throughout the west,

and while it is expensive to do annual work on mines it is the only way that new mines will ever be found or that honest endeavor will be put forth to maintain the standing of claims. It is really the thing, this annual labor, and it is to be hoped that only the severest calamity to the country will cause congress to exempt the mines from this work. Mines too old to work in the deep mines could be employed in doing assessment work, which would give them the necessary funds to continue their prospecting and enable them to keep up their own mines.

While it is claimed that there is not an available supply of miners to perform the annual work on all the claims now being held, we believe that ample labor can always be counted on to maintain the desirable prospects and more. Labor is always willing to get out and do assessment work, no matter where the properties are and there is not a day that inquiry is not made of us as to where such work may be had. It must be remembered that assessment work means the expenditure of \$100 on each mining claim, that sum being computed at the going wage of the camp or district, and the only thing that can be computed is the ammunition used in the work or the timber or other necessary improvements entering into the development. And it is to be hoped that every mine owner will put forth an effort to see that a fair and square assessment is done on every claim.

C. O. D. MILL MACHINERY IS ARRIVING

A large part of the milling machinery for the new C. O. D. mill has arrived at Kingman station and the work of hauling out to the mine will soon be under way. The mill will be entirely operated by electricity. The mill will be one of the most important in the county, many new flotation features being among the methods that will be employed in the separation of the ores. W. W. Widdowson has been at work the past several months working out the flow sheet for the new plant and his laboratory tests have been eminently satisfactory.

The C. O. D. shaft has reached a depth of 430 feet and an ore pocket has been put in below the station. With the completion of the pocket the work of cutting out the station will be undertaken, the broken ore and waste going into the pocket without handling. A crosscut will be driven across the vein at this point before the sinking of the shaft will be carried to the 500 level. The ore body showed from the 300 to the 400 level, indicating that there was a really a better body of ore in that part of the mine than surface indications outcrop would imply. Splendid mill ore is being opened in this property and the impression prevails that this property will be one of the large producers of the state.

How to Kill Mosquitoes.

M. Roubaud of the Pasteur Institute in Paris has now discovered a method of destroying the larvae of mosquitoes by sprinkling powdered formaline on the surface of the water. This does not injure fish or make water impossible to drink, and it is also said to be much more rapid and effective than oil.

How Asbestos Withstands Acids.

Asbestos is the queerest mineral in the world and is rapidly becoming one of the most important. It is impervious to the fiercest heat and can also withstand acids which would eat up almost any metal. Today its principal value is for packing marine engines and there is nothing else to compare with it for this purpose.

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COPPER INQUIRIES SHOW INCREASE

The Boston Financial News says: Inquiries for copper metal are continuing to show increases and there are indications that domestic consumers who have been out of the market for many months are now inclined to make arrangements for their future requirements. On some of the inquiries a substantial tonnage is involved. Leading selling agencies continue to quote 19 cents a pound for deliveries over September and October and are not willing to make any concessions in quotations.

UNITED AMERICAN DRIFT IN 150 FEET

The Tom Reed drift from the Aztec shaft, on the 400 level has been run east 150 feet and is now within 450 feet of the United American west end line. The United American has cut a station on the 670 level and cross-cutting toward the veins opened on the 500 level. The first vein to be cut was 8 feet thick on the 500 and it is expected to find it equally large and as good ore on the new level. It is expected that the Aztec vein will be cut by the 15th of October.

The United American is showing life on the Los Angeles stock exchange, the bid price being 37 cents, the highest in several months, and it is probable that within the next 30 days it will reach 50 cents, especially in view of the operations that are being carried on at the deep level and at a point where important changes may be expected.

MINERS WALKOUT

More than three-fourths of the miners employed in the Copper Hill mines, at Globe, and employed by the Arizona Commercial Mining Company, walked out last Tuesday last. The trouble arose over the displacement of a white shift boss to make place for a Mexican. The management of the property and the men have held conferences and it is thought that work will be resumed by the return of the shift boss.

KINGMAN CONSOLIDATED MILL NOW OPERATING

The big mill of the Kingman Consolidated Mining company, at Stockton Hill, was put in commission last evening and is said to have gone off without a bauble. The management has had a force of men at work on the mill the past several months and it is understood that every new device that makes for better saving has been added.

At the big tunnel, at the foot of Stockton Hill, an entirely new plant of machinery is to be put in, the new compressor, electric motors and other machines having arrived at Kingman during the week. The foundations have been made ready to receive the machinery and it will be installed before the end of the coming week and then the tunnel will be driven ahead with all possible speed. General Manager Halloran has been getting things shaped up for a big development campaign and at the same time expects to take out a large part of the development costs from the big ore reserves above the upper tunnel level.

ADVERTISED LETTERS

The following letters remain unclaimed for at the Post Office at Kingman, Arizona, for the week ending Sept. 18, 1920.

Brumbaugh, Miss Blanche
Crotzer, Mrs. Mollie
Heaton, Mrs. Maggie, (2)
Lambert, F. L.
Mahone, D.
Murphy, Con
Richmond, A. B.
Ross, Mrs. C. W.
McCarren, R.
Adams, Mabel T.
Lewis, Jesse R.
Worton, J. M.
Alexander, H. J.
Basse, Charles C.
Erixon, C. O., (2)
Nicholas, J. N.

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Postmaster.

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